INTERNATIONAL SEARCH REPORT

PCT/IB2004/051549

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01L29/78 H01L29/41 H01L29/08 H01L29/36 H01L21/336

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/01644 A (SILICON WIRELESS CORP ET AL) 3 January 2002 (2002-01-03) page 25, line 3 - page 26, line 6; figure 9	1,3,4, 6-11
Х	US 6 448 611 B1 (OH H-S) 10 September 2002 (2002-09-10) column 3, line 43 - column 4, line 16; figure 4 column 4, line 35 - line 40	1., 3., 11
. A	, , , , , , , , , , , , , , , , , , , ,	8
X	WO 02/49092 A (KONINKLIJKE PHILIPS ELECTRONICS NV) 20 June 2002 (2002-06-20) cited in the application page 5, line 3 - page 7, line 21; figures 1-9	1-3,10, 11
Α		8
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Further documents are listed in the continuation of box C.	Patent family members are listed in annex.		
"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the International filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document-referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family		
Date of the actual completion of the international search 1 December 2004	Date of mailing of the international search report 18/03/2005		
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Morvan, D		

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Internation No
PCT/TB2004/051549

C.(Continua	ation) DOCUMENTS CONSIDERED TO BE RELEVANT						
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.					
X .	EP 0 069 429 A (NV PHILIPS GLOEILAMPENFABRIEKEN) 12 January 1983 (1983-01-12) page 5, line 25 - page 7, line 20; figures	1,3,11					
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INTERNATIONAL SEARCH REPORT

In ational application No. PCT/IB2004/051549

Boy II Observations where certain claims were	found unacoustable (Octional)
box ii "Quservations where certain claims were	found unsearchable (Continuation of item.2 of first sheet)
This International Search Report has not been established	in respect of certain claims under Article 17(2)(a) for the following reasons:
Claims Nos.: because they relate to subject matter not required	to be searched by this Authority, namely:
•	
Claims Nos.: because they relate to parts of the International Again extent that no meaningful International Search	oplication that do not comply with the prescribed requirements to such can be carried out, specifically:
Claims Nos.: because they are dependent claims and are not drawn and are not drawn.	afted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is	acking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple invention	ons in this international application, as follows:
see additional sheet	
•	
• •	·
1. As all required additional search fees were timely personal searchable claims.	paid by the applicant, this International Search Report covers all
. []	
 As all searchable claims could be searched without of any additional fee. 	t effort justifying an additional fee, this Authority did not invite payment
<u> </u>	
3. As only some of the required additional search feet covers only those claims for which fees were paid,	s were timely paid by the applicant, this International Search Report specifically claims Nos.:
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•	I by the applicant. Consequently, this International Search Report is ms; it is covered by claims Nos.:
1-4,6-10 (when dependent on a	ny one of claims 1-4),11
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Remark on Protest	The additional search fees were accompanied by the applicant's protest.
	No protest accompanied the payment of additional search fees.
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FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-4,6-10 (when dependent on any one of claims 1-4),11

Electronic device comprising a transistor having a stepped shield structure in a drain extension area.

2. claims: 5, 6-10 (when dependent on claim 5)

Electronic device comprising a transistor having a higher doped drain extension portion adjoining a channel.

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INTERNATIONAL SEARCH REPORT

Mormation on patent family members

Internation No PCT/IB2004/051549

			101/102004/031343		
Patent document cited in search report		Publication date		Patent family member(s)	Publication date
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